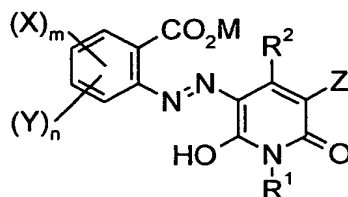


CLAIMS

1. A compound of Formula (1)



Formula (1)

in which:

R¹ represents H, an optionally substituted C₁₋₈carbyl derived group, or a group of Formula A:



Formula A

where:

c is from 2 to 6;

R³ represents H or optionally substituted C₁₋₈carbyl derived group;

R⁴ and R⁵ independently represent an optional substituent;

R² represents an optionally substituted C₁₋₈carbyl derived group;

X, Y and Z independently represent H or an optional substituent group;

M represents H or a cation; and

m and n independently represent 0, 1 or 2;

with the provisos that:

at least one of R¹, R², X, Y or Z comprises a group of Formula SO₃M or PO₃M₂

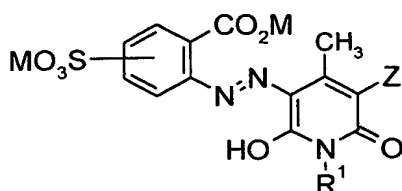
where M is independently as represented herein;

when n is 0; m is 1; X is a sulpho group para to the azo group; Z is H and R² is methyl then R¹ is other than ethyl

and the compound of Formula (1) is other than a compound of Formula II, III or IV as described herein.

2. A compound according to claim 1 wherein R¹ is of Formula A.

3. A compound according to claim 1 or claim 2 of Formula (2):



Formula (2)

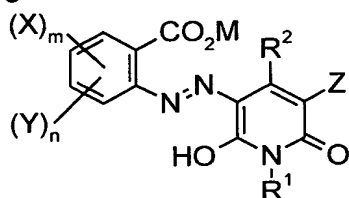
in which:

Z is CONH_2 , CN or H ;

5 R^1 is optionally substituted C_{2-8} alkyl or a glycol group;

with the proviso that if the SO_3M group is in the 4-position of the benzene ring then either R^1 is other than ethyl or Z is other than H .

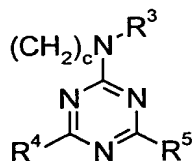
4. A composition comprising a solvent and at least one compound of Formula (1)



Formula (1)

in which:

R^1 represents H , an optionally substituted C_{1-8} carbonyl derived group, or a group of Formula A:



Formula A

where:

c is from 2 to 6;

R^3 represents H or optionally substituted C_{1-8} carbonyl derived group;

20 R^4 and R^5 independently represent an optional substituent;

R^2 represents an optionally substituted C_{1-8} carbonyl derived group;

X , Y and Z independently represent H or an optional substituent group;

M represents H or a cation; and

m and n independently represent 0, 1 or 2.

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5. A composition comprising a solvent and at least one compound according to any one of claims 1 to 3.

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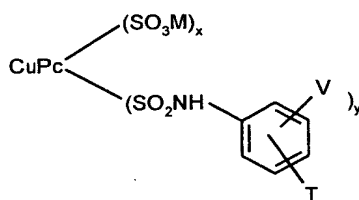
6. A composition according to claim 4 or 5 which is an ink comprising
 (a) from 0.01 to 30 parts of a compound of Formula (1) according to claim 1; and
 (b) from 70 to 99.99 parts of a liquid medium or a low melting point solid medium:
 wherein all parts are by weight and the number of parts of (a) + (b)=100.

7. A composition according to claim 4 or 5 wherein the solvent comprises water and one or more water soluble organic solvent(s).

8. A composition according to any one of claims 4 to 8 which comprises at least one further colorant.

9. A composition according to claim 8, where the further colorant(s) is selected from at least one cyan, green, red, magenta and/or orange colorant which is a dye or a pigment.

10. A composition according to claim 9, where the further colorant is a cyan dye of Formula (3)



Formula (3)

in which:

T represents H or an optional substituent;

V represents CO_2M , SO_3M or PO_3M_2 ;

M represents H or a cation;

x and y independently represent from 0 to 4; and

x + y is from 3 to 5.

11. A composition according to either claim 8 or claim 9, where the further colorant is selected from C.I. Pigment Green 7 and C.I. Pigment Green 36.

12. A composition according to any of claims 4 to 11 which is a green, red or yellow ink suitable for use in any of the process claimed in claims 13 to 17.

13. A process for preparing a patterned, cross-linked, polymer, film coating on a substrate comprising the steps of

- (a) applying to the substrate simultaneously and/or sequentially in any order:

- (i) one or more cross-linkable polymer precursor(s);
(ii) optionally one or more additional cross-linker(s) capable of cross-linking the precursor(s) for the polymer(s); and
(iii) one or more compound(s) of Formula (1) as described in claim 4 optionally with one or more other colorant(s);
5 (b) optionally patterning one or more non cross-linked film(s) of component (i); component (ii); component (iii) and/or mixture(s) thereof, optionally before application of further components; and
(c) initiating cross-linking the mixture of components (i), (ii) in situ, to form an
10 optionally patterned, cross-linked polymeric film coating on the substrate.

14. A process according to claim 13, in which the process comprises a printing process.

- 15 15. A process according to claim 14, in which the printing process is an ink-jet printing process.

16. A process according to claim 14, in which the printing process comprises a photolithographic process.

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17. A process according to claim 15, in which the polymer precursor(s) comprise water dissipatable polymer precursor(s). —

Sub 94 18. A substrate obtainable by a process ~~as claimed~~ in any of claims 13 to 17.

19. A substrate according to claim 18, which comprises: a colour filter comprising a coloured, cross-linked, polymer coating on a transparent substrate; and/or a transparent, coloured, cross-linked, polymer coating on a substrate.

Sub 30 95 20. A substrate according to either claim 18 or 19, which has utility as a component for a coloured display.

21. A substrate according to any one of claims 18 to 20, which comprises an array of coloured trichromatic elements in which the trichromat is selected from: a red, green and blue trichromat; and a cyan, magenta and yellow trichromat.

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22. A display which comprises a substrate according to any one of claims 18 to 21.

23. A display according to claim 22, which comprises a liquid crystal display.

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24. A process for printing a substrate with a composition according to any of claims 4 to 12 using an ink-jet printer.
25. A cartridge suitable for use in an ink jet printer containing an ink according to any one of claims 4 to 12.
26. A paper, overhead projector slide, textile or colour filter printed with a composition according to any one of claims 4 to 12.
27. A colour filter comprising red, green and blue filter elements, or yellow, magenta and cyan filter elements, characterised in that the filter carries a compound of Formula (1) as defined in claim 4.